

**ABSTRACT OF THE DISCLOSURE**

An image system for processing image data in the form of grey-scale value signals and for generating an image that can be displayed on a presentation device, in particular for a medical diagnostic device, has a circuit to harmonize the image data. This circuit is fashioned for automatic contrast increase by a new adjustment of the grey-scale value signals, and thus of the grey-scale value dynamic range as well, with the C-value defining the center of the grey-scale value range, being retained after the harmonization.

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